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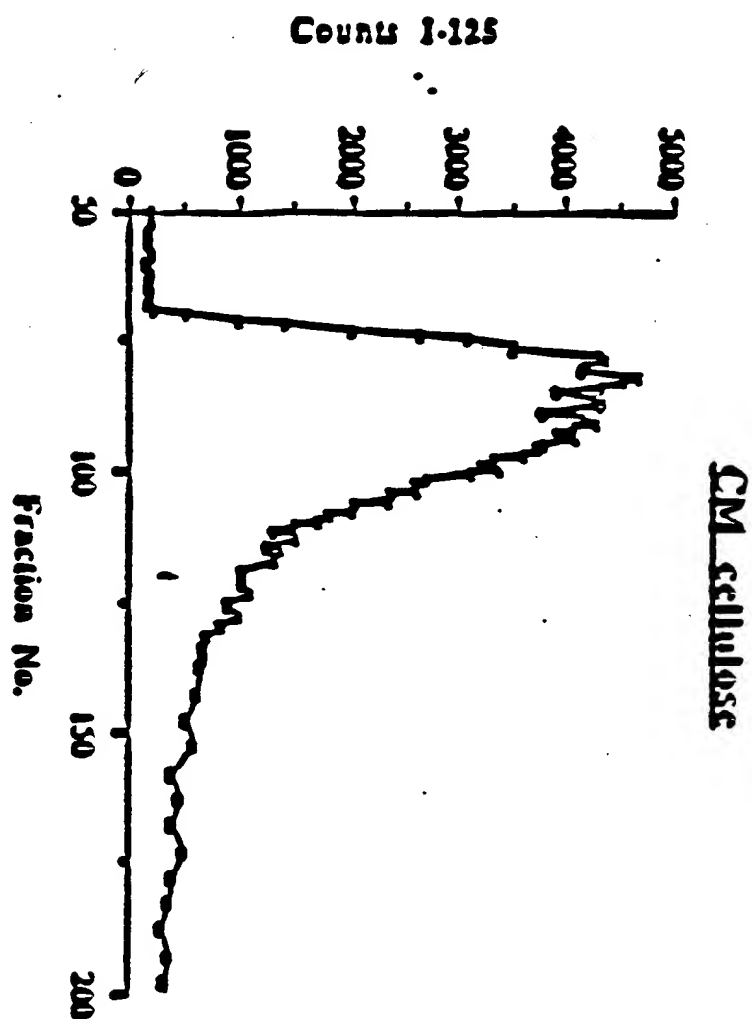


Figure 1

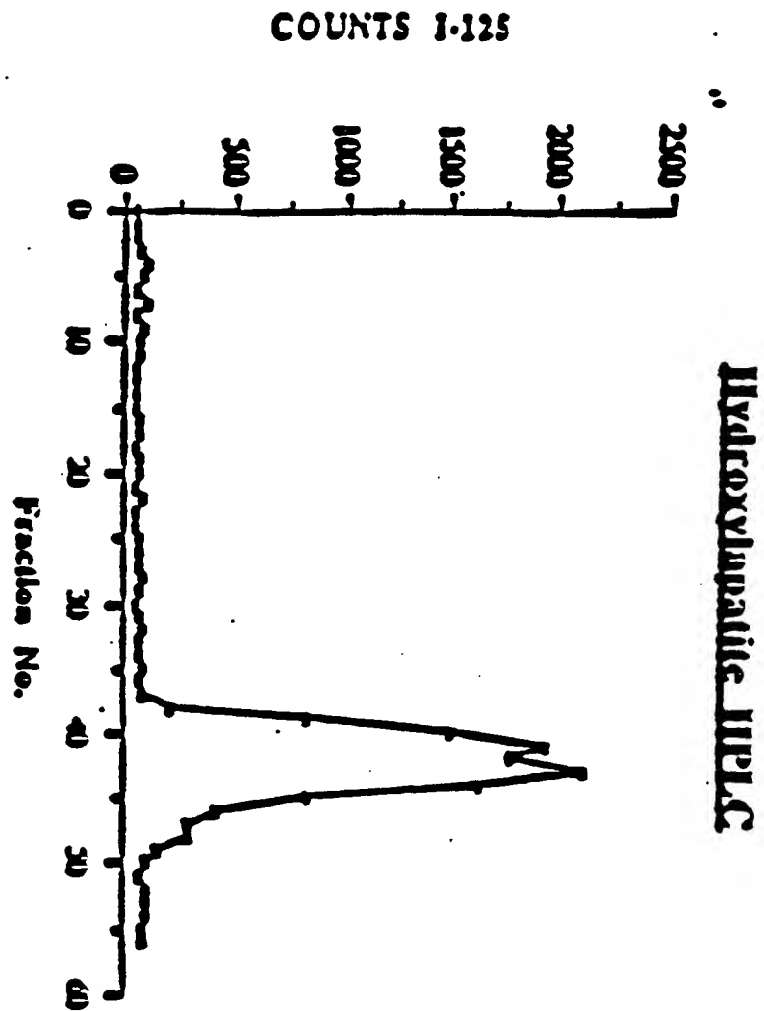


FIGURE 2

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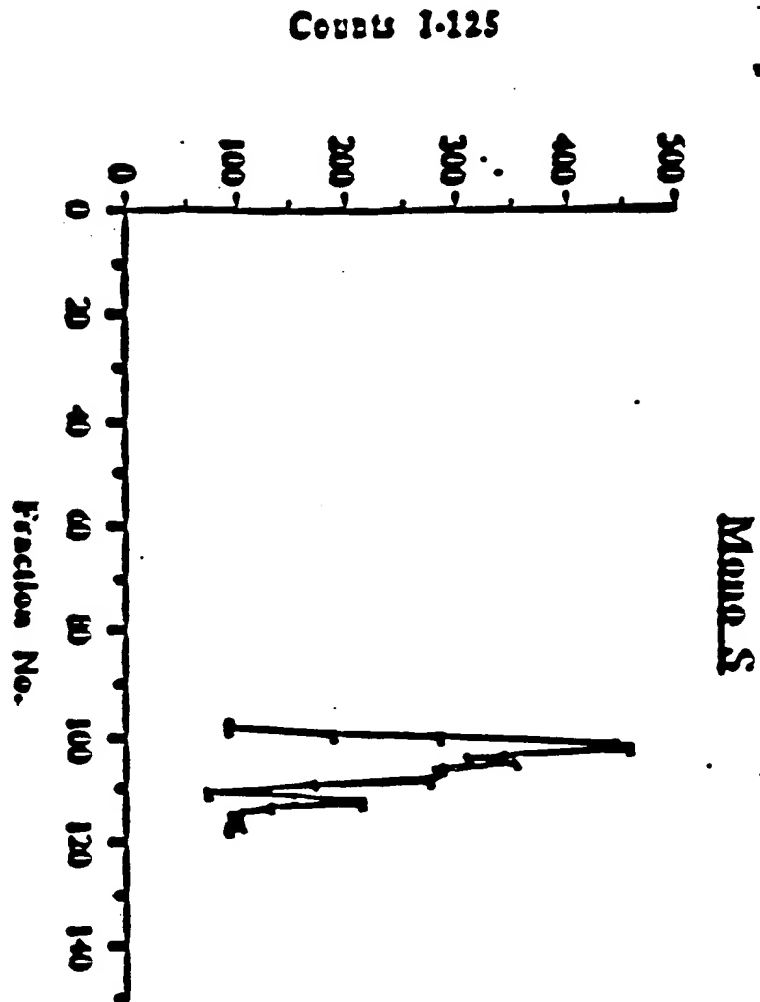


FIGURE 3

COUNT 1-125

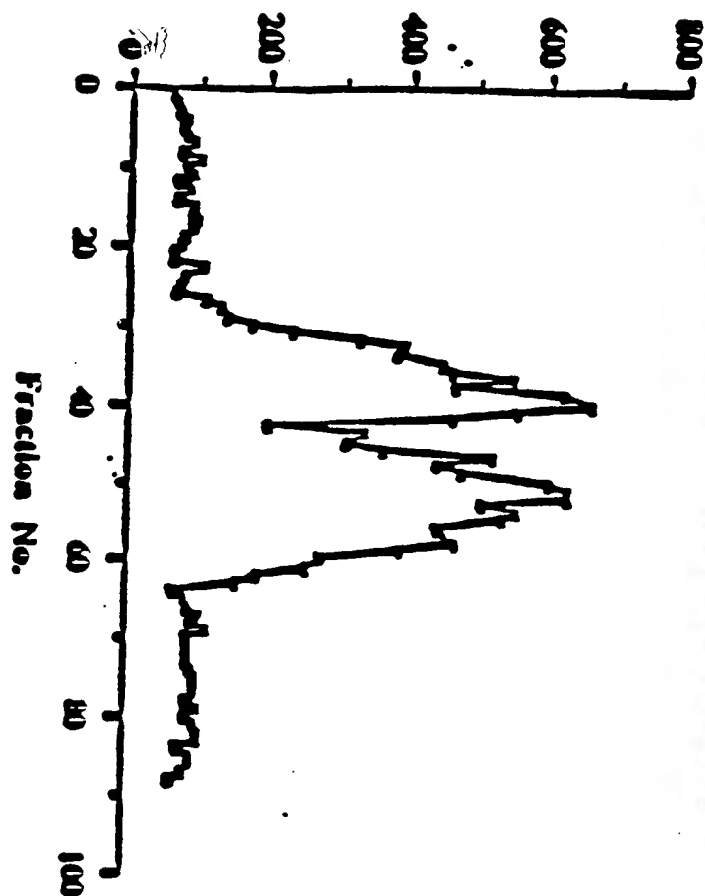


FIGURE 4

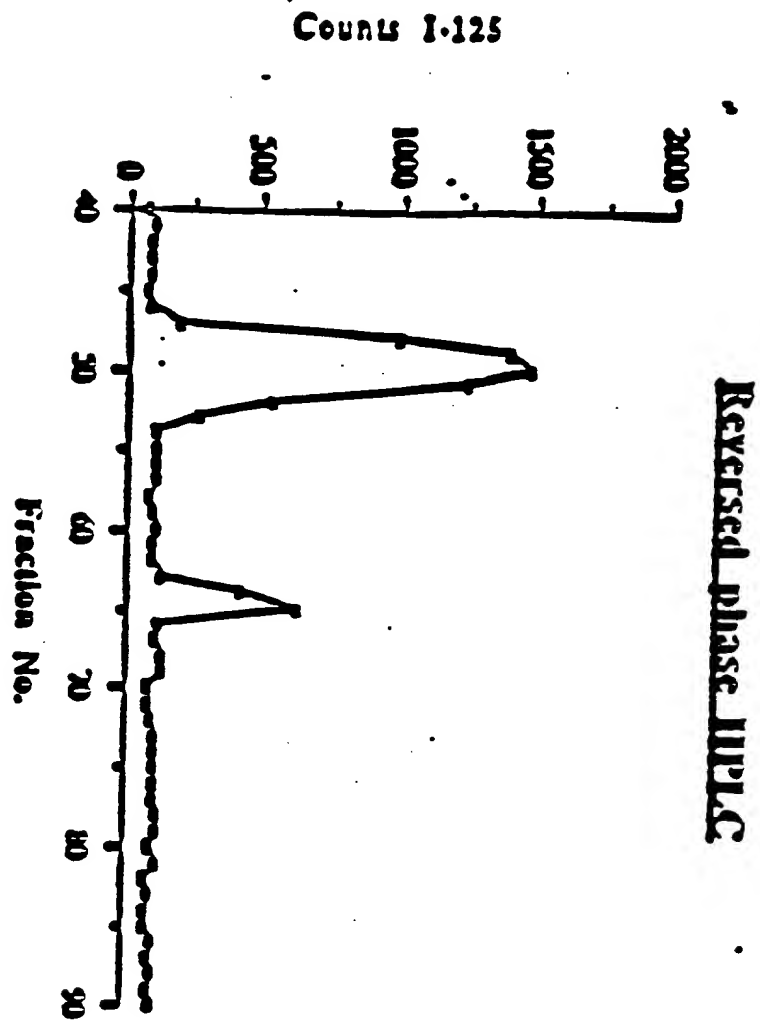


FIGURE 5

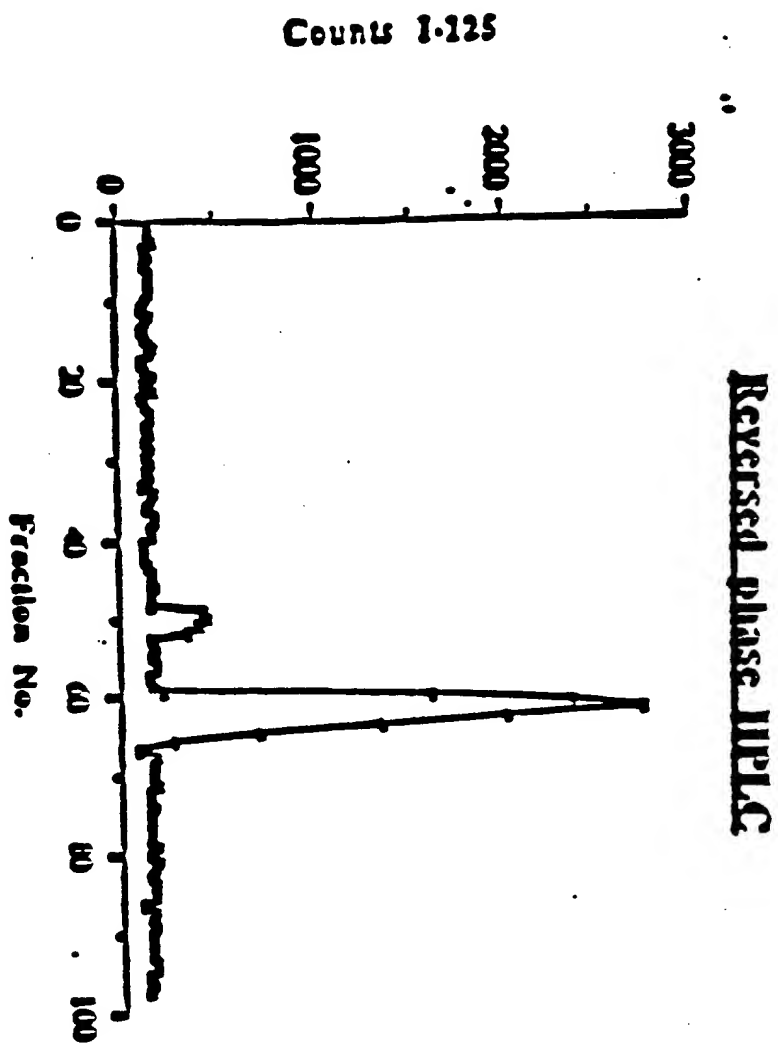


FIGURE 6

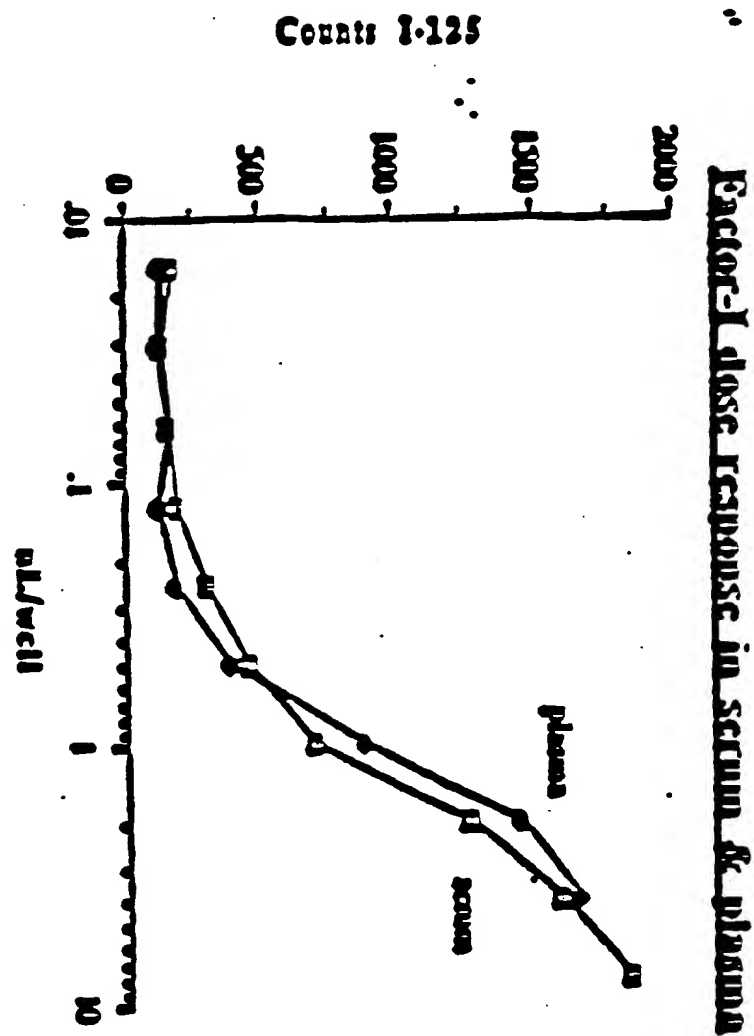


FIGURE 7

COUNT 1-125

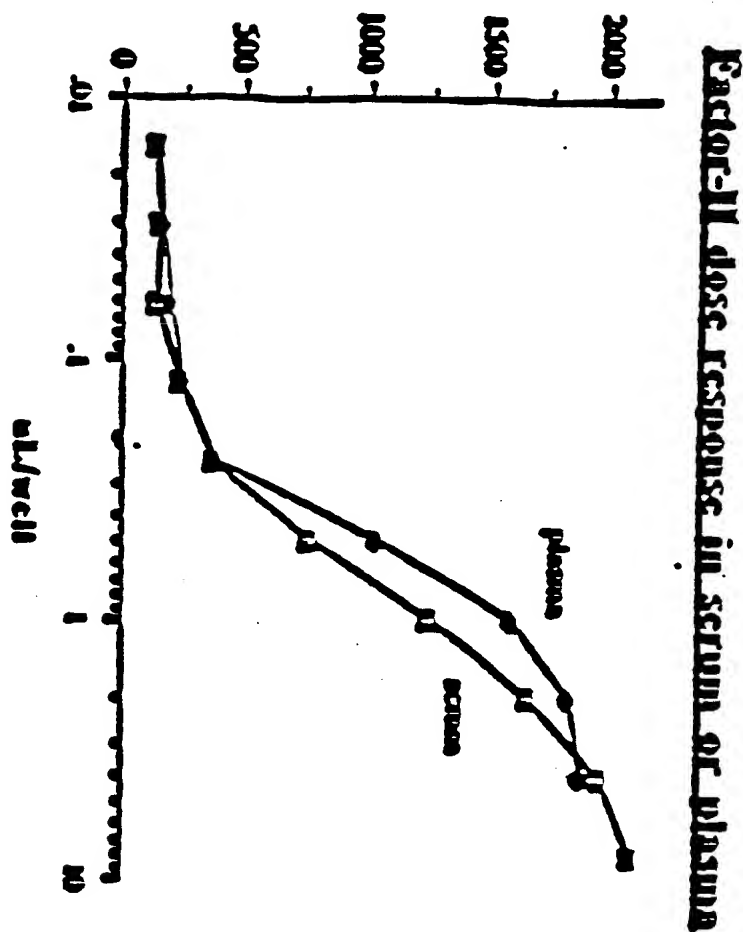


FIGURE 2

PICURE 9

Memorandum

FA 01 F K Q D A N T E (smg to moi 1)

Torpedo popples

FA 02 K M A 3 L A D E Y E Y M X K . (smg to moi 2)
 FA 03 K M T E T 3 S S Q L X L K . (smg to moi 3)
 FA 04 K M K L Q E M W A E (smg to moi 4)
 FA 05 K M L Q E K M A (smg to moi 5)
 FA 06 K M I K S E W A Q L 3 I Q D T A K . (smg to moi 6)
 FA 07 K M A 3 B A D E Y E Y M M K . (smg to moi 7)
 FA 08 K M I K Q E M P Q L S I G D V A K . (smg to moi 8)
 FA 09 K M M S E Y A F F Y O T X N . (smg to moi 9)
 FA 10 K M S E W P Q L 3 I Q D T A K . (smg to moi 10)
 FA 11 K M A Q Y F A E X A N . (smg to moi 11)
 FA 12 K M K L E F L X A K . (smg to moi 12)
 FA 13 K M T E M A S E O G A (smg to moi 13)
 FA 14 K M A K E A L A A L K . (smg to moi 14)
 FA 15 K M F V L O A K K . (smg to moi 15)
 FA 16 K M L Q E M W (smg to moi 16)

Page 1

Protonic Vb popples

FA 17 E T O P D P Q O I L K K V P M V I Q A Y T (smg to moi 169)
 FA 18 E Y K C L K F K W F K K A T V M (smg to moi 17)
 FA 19 E A K V F S K X D A (smg to moi 18)
 FA 20 E X K F Y V P (smg to moi 19)
 FA 21 E L S F A S V N L P Q C P P Q V D P M V S F P V A L Ubbels (smg to moi 20)

Page 2

Figure 10

| | | |
|----------|-------------------|------------------|
| OCF-1 01 | FRGDANTE | (300) 10 001 1 |
| OCF-1 02 | ASLADERYNNK | (300) 10 001 22) |
| OCF-1 03 | TEYSSSGLKLN | (300) 10 001 23) |
| OCF-1 07 | ASLADERYNNK | (300) 10 001 24) |
| OCF-1 11 | AQYFAEXAN | (300) 10 001 25) |
| OCF-1 13 | TEMAZEODG | (300) 10 001 26) |
| OCF-1 14 | AKELALALN | (300) 10 001 27) |
| OCF-1 15 | FVLQANK | (300) 10 001 28) |
| OCF-1 17 | ETOPDGOILKNVNAVIT | (300) 10 001 29) |
| OCF-1 19 | EYKCLNFKMFKNATVN | (300) 10 001 17) |
| ■ | | |
| OCF-1 20 | EXNFYVP | (300) 10 001 19) |
| OCF-1 22 | KLEFLKAK | (300) 10 001 22) |

Figure 11

| | | |
|--------------------------------|----------------------------------|--------------------------|
| Trypsin peptides | | |
| GGF-II 01 | KR VHQVWAAK ^o | (SEQ ID NO: 45) |
| GGF-II 02 | KR YIFFMEPEAXSSG | (SEQ ID NO: 46) |
| GGF-II 03 | KR LGAWGPPAFPVXY | (SEQ ID NO: 47) |
| GGF-II 04 | KR WFWVIEGK ^o | (SEQ ID NO: 48) |
| GGF-II 05 | KR ALAAAGYDVEK ^o | (SEQ ID NO: 164) |
| GGF-II 06 | KR LVLR ^o | (SEQ ID NO: 165) |
| GGF-II 07 | KR XXYPGGQITN | Trypsin (SEQ ID NO: 166) |
| GGF-II 08 | KR ASPVSYGSGVQELVQR ^o | (SEQ ID NO: 49) |
| GGF-II 09 | KR VCLLTVAALPPT | (SEQ ID NO: 50) |
| GGF-II 10 | KR DLLLXV | (SEQ ID NO: 53) |
| Lysyl Endopeptidase-C peptides | | |
| GF-II 11 | KVHQVWAAK ^o | (SEQ ID NO: 51) |
| GF-II 12 | KASLADSGEYMXK ^o | (SEQ ID NO: 52) |

Figure 12

A

| | | |
|-----------|-----------------|-----------------|
| GGF-II 01 | VHQVWAAK | (SEQ ID NO: 43) |
| GGF-II 02 | YIFFMEPEAXSSG | (SEQ ID NO: 46) |
| GGF-II 03 | LGAWGPPAFPVXY | (SEQ ID NO: 47) |
| GGF-II 04 | WFVYIEGK | (SEQ ID NO: 48) |
| GGF-II 08 | ASPYSVGSVOELVQR | (SEQ ID NO: 49) |
| GGF-II 09 | VCLLTVAALPPT | (SEQ ID NO: 50) |
| GGF-II 11 | KVHQVWAAK | (SEQ ID NO: 51) |
| GGF-II 12 | KASLADSGEYMXK | (SEQ ID NO: 52) |

B

Novel Factor II Peptides - others

| | | |
|-----------|--------|-----------------|
| GGF-II 10 | DLLLXY | (SEQ ID NO: 53) |
|-----------|--------|-----------------|

Comparison of ^3H -JSA and ^{125}I -UdR counting methods for the DNA synthesis assay in Schwann cell cultures

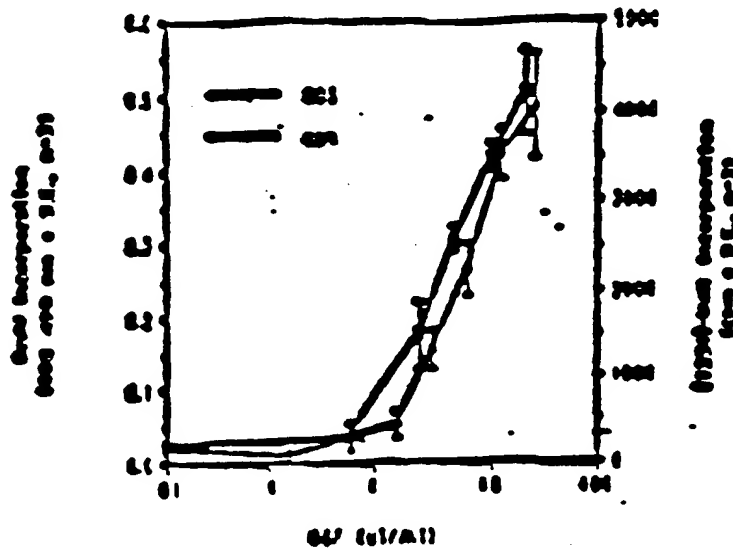


Fig. 13

Comparison of Br-UdR immunoreactivity and Br-UdR labelled cell number

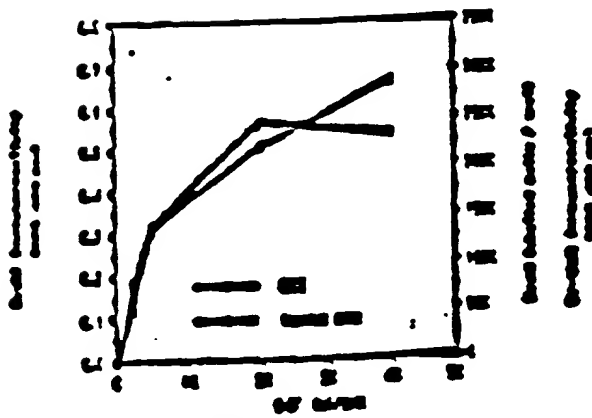


Fig. 14a

4/8/82

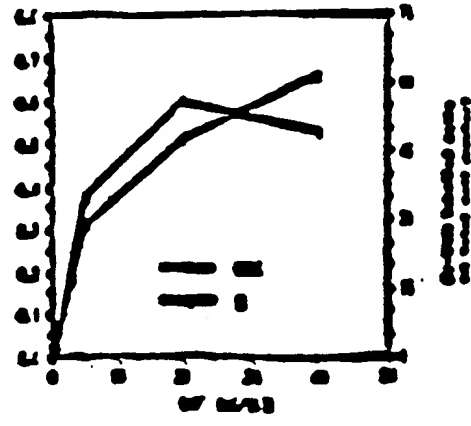


Fig. 14b.

Mitogenic response of rat sciatic nerve Schwann cell to GGFs



Fig 15

DNA synthesis in rat sciatic nerve Schwann cells and 3T3 fibroblasts in the presence of GGFs

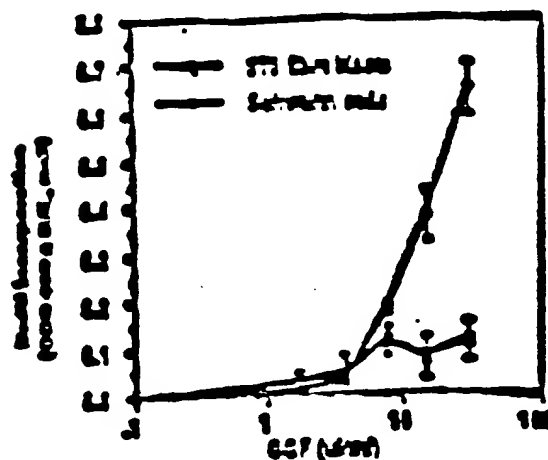


Fig 16.

Mitogenic response of EHK21 C13 cells to FCS and GGFs

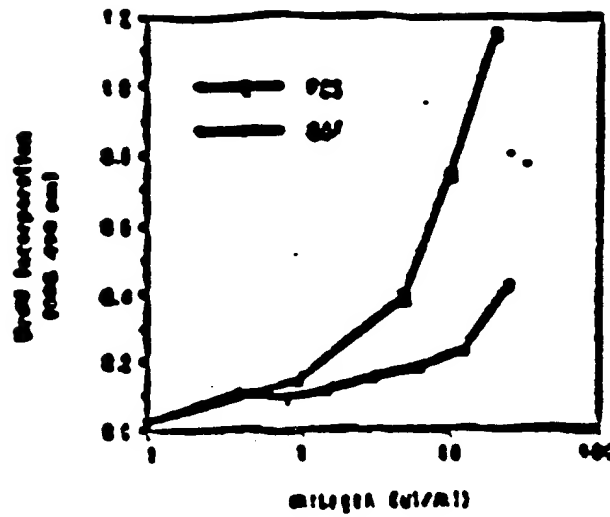


Fig. 17

Survival and proliferation of EHK21 C13 cell microcultures after 48 hours in presence of GGFs

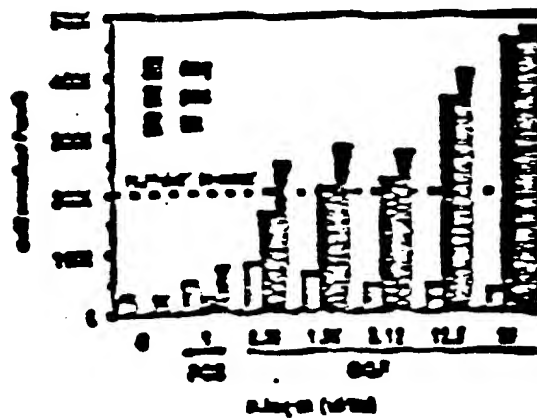


Fig. 18.

SEQUENCE OF THE OLIGOPEPTIDES FROM FACTOR I AND FACTOR II

| Oligo | Sequence | Peptide | |
|-------|-------------------------|----------|-----------------------|
| 535 | TTTAAAGGCGATGCTATACI | GG71-1 | (G H H H H H H H: 34) |
| 536 | CAATATATCTATATCTATACI | GG71-2 | (G H H H H H H H: 35) |
| 537 | TCTTCTGATGCTATATCTATACI | GG71-13 | (G H H H H H H H: 36) |
| 538 | TCTTCTGATGCTATATCTATACI | GG71-13 | (G H H H H H H H: 37) |
| 539 | CCATATATCTATATCTATACI | GG71-17 | (G H H H H H H H: 38) |
| 540 | GGGCGGATGCTATATCTATACI | GG711-1 | (G H H H H H H H: 39) |
| 541 | GGTCTGATGCTATATCTATACI | GG711-2 | (G H H H H H H H: 40) |
| 542 | GGTCTGATGCTATATCTATACI | GG711-4 | (G H H H H H H H: 41) |
| 543 | TCTGATGCTATATCTATACI | GG71-11 | (G H H H H H H H: 42) |
| 544 | GGGCGGATGCTATATCTATACI | GG71-14 | (G H H H H H H H: 43) |
| 545 | GGGCGGATGCTATATCTATACI | GG71-14 | (G H H H H H H H: 44) |
| 546 | TTTCTGATGCTATATCTATACI | GG71-18 | (G H H H H H H H: 45) |
| 551 | TTTCTGATGCTATATCTATACI | GG71-18 | (G H H H H H H H: 46) |
| 552 | TCTGATGCTATATCTATACI | GG711-8 | (G H H H H H H H: 47) |
| 553 | TCTGATGCTATATCTATACI | GG711-8 | (G H H H H H H H: 48) |
| 559 | CAATATATCTATATCTATACI | GG711-11 | (G H H H H H H H: 49) |
| 560 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 50) |
| 561 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 51) |
| 562 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 52) |
| 563 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 53) |
| 564 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 54) |
| 565 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 55) |
| 566 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 56) |
| 567 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 57) |
| 568 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 58) |
| 569 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 59) |
| 570 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 60) |
| 571 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 61) |
| 572 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 62) |
| 573 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 63) |
| 574 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 64) |
| 575 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 65) |
| 576 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 66) |
| 577 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 67) |
| 578 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 68) |
| 579 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 69) |
| 580 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 70) |
| 581 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 71) |
| 582 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 72) |
| 583 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 73) |
| 584 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 74) |
| 585 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 75) |
| 586 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 76) |
| 587 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 77) |
| 588 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 78) |
| 589 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 79) |
| 590 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 80) |
| 591 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 81) |
| 592 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 82) |
| 593 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 83) |
| 594 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 84) |
| 595 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 85) |
| 596 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 86) |
| 597 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 87) |
| 598 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 88) |
| 599 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 89) |
| 600 | CAATATATCTATATCTATACI | GG711-12 | (G H H H H H H H: 90) |

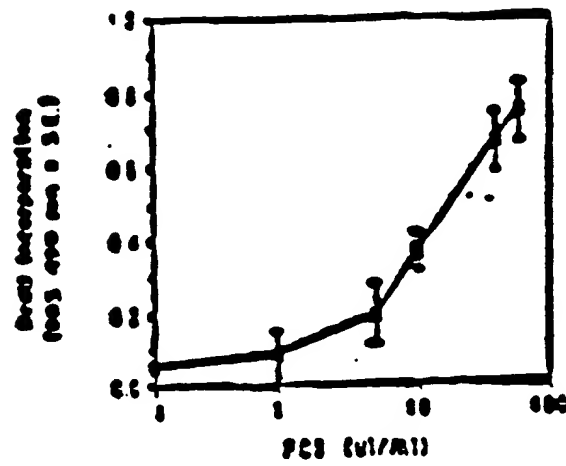


Fig 19.

Mitogenic response of C6 cells to aFGF and GGFs

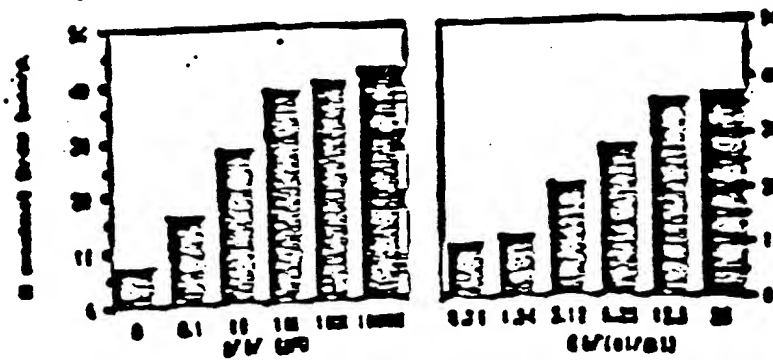


Fig 20

Figure 22: Factor 21 Data Summary

Figure 22: Factor 21 Data Summary

Figure 22: Factor 21 Data Summary

Figure 22: Factor 21 Data Summary

Figure 22: Factor 21 Data Summary

Figure 22: Factor 21 Data Summary

(SEE ID NO: 89)

FIGURE 22

POLYMERASE POLYMERASE I AND POLYMERASE II

PAGE 23

Degenerate PCR primers

| Oligo | Sequence | Peptide | |
|-------|---|----------|----------------|
| 657 | CCGAAATTCCTGACGACAAACGACATGAYCAGGCGI | CC711-17 | (SH) D B: 90) |
| 658 | AAGCAATCCTGACGACGATTAACGACGATACGATGCGI | CC711-17 | (SH) D B: 91) |
| 667 | CCGAAATTCCTGACGACGATTAACGACGATTAATGCGI | CC711-18 | (SH) D B: 92) |
| 668 | CCGAAATTCCTGACGACGATTAATGACGATTAATGCGI | CC711-18 | (SH) D B: 93) |
| 669 | AAGCAATCCTGACGACGATTAATGACGATTAATGCGI | CC711-18 | (SH) D B: 94) |
| 670 | AAGCAATCCTGACGACGATTAATGACGATTAATGCGI | CC711-18 | (SH) D B: 95) |
| 671 | CCGAAATTCCTGACGACGATTAATGACGATTAATGCGI | CC711-1 | (SH) D B: 96) |
| 672 | CCGAAATTCCTGACGACGATTAATGACGATTAATGCGI | CC711-2 | (SH) D B: 97) |
| 673 | CCGAAATTCCTGACGACGATTAATGACGATTAATGCGI | CC711-3 | (SH) D B: 98) |
| 674 | CCGAAATTCCTGACGACGATTAATGACGATTAATGCGI | CC711-4 | (SH) D B: 99) |
| 677 | AAGCAATCCTGACGACGATTAATGACGATTAATGCGI | CC711-1 | (SH) D B: 100) |
| 678 | AAGCAATCCTGACGACGATTAATGACGATTAATGCGI | CC711-2 | (SH) D B: 101) |
| 679 | AAGCAATCCTGACGACGATTAATGACGATTAATGCGI | CC711-3 | (SH) D B: 102) |
| 680 | AAGCAATCCTGACGACGATTAATGACGATTAATGCGI | CC711-4 | (SH) D B: 103) |
| 681 | CAATCAATTCCTGACGACGATTAATGACGATTAATGCGI | CC711-2 | (SH) D B: 104) |
| 682 | CCGAAATTCCTGACGACGATTAATGACGATTAATGCGI | CC711-1 | (SH) D B: 105) |
| 683 | CCGAAATTCCTGACGACGATTAATGACGATTAATGCGI | CC711-14 | (SH) D B: 106) |
| 684 | CCGAAATTCCTGACGACGATTAATGACGATTAATGCGI | CC711-14 | (SH) D B: 107) |
| 685 | CCGAAATTCCTGACGACGATTAATGACGATTAATGCGI | CC711-1 | (SH) D B: 108) |

Unique PCR primers for Factor II

| Oligo | Sequence | Comment | |
|-------|---|---------|----------------|
| 711 | CAATCAATTCCTGACGACGATTAATGACGATTAATGCGI | 3' AAG | (SH) D B: 109) |
| 712 | AAGCAATTCCTGACGACGATTAATGACGATTAATGCGI | 3' AAG | (SH) D B: 110) |
| 713 | CCGAAATTCCTGACGACGATTAATGACGATTAATGCGI | 3' AAG | (SH) D B: 111) |
| 721 | CAATCAATTCCTGACGACGATTAATGACGATTAATGCGI | 3' AAG | (SH) D B: 112) |
| 722 | AAGCAATTCCTGACGACGATTAATGACGATTAATGCGI | 3' AAG | (SH) D B: 113) |
| 723 | AAGCAATTCCTGACGACGATTAATGACGATTAATGCGI | 3' AAG | (SH) D B: 114) |
| 724 | CCGAAATTCCTGACGACGATTAATGACGATTAATGCGI | 3' AAG | (SH) D B: 115) |
| 771 | CAATCAATTCCTGACGACGATTAATGACGATTAATGCGI | 3' AAG | (SH) D B: 116) |
| 772 | AAGCAATTCCTGACGACGATTAATGACGATTAATGCGI | 3' AAG | (SH) D B: 117) |
| 773 | AAGCAATTCCTGACGACGATTAATGACGATTAATGCGI | 3' AAG | (SH) D B: 118) |
| 774 | AAGCAATTCCTGACGACGATTAATGACGATTAATGCGI | 3' AAG | (SH) D B: 119) |

Summary of contiguous GGF-II cDNA structures and sequences

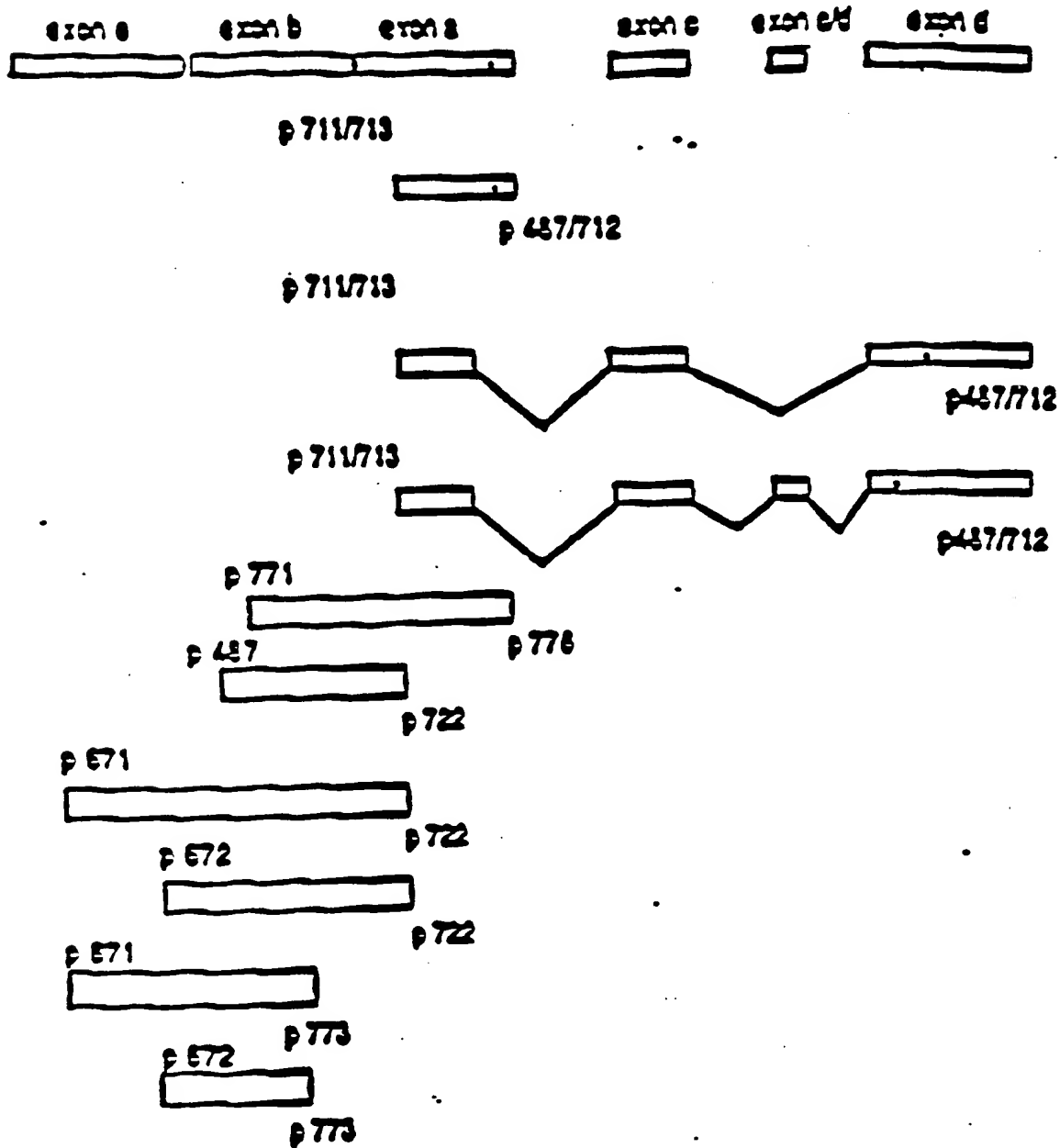


FIGURE 24

Alternative gene products of protein locus GDF-2

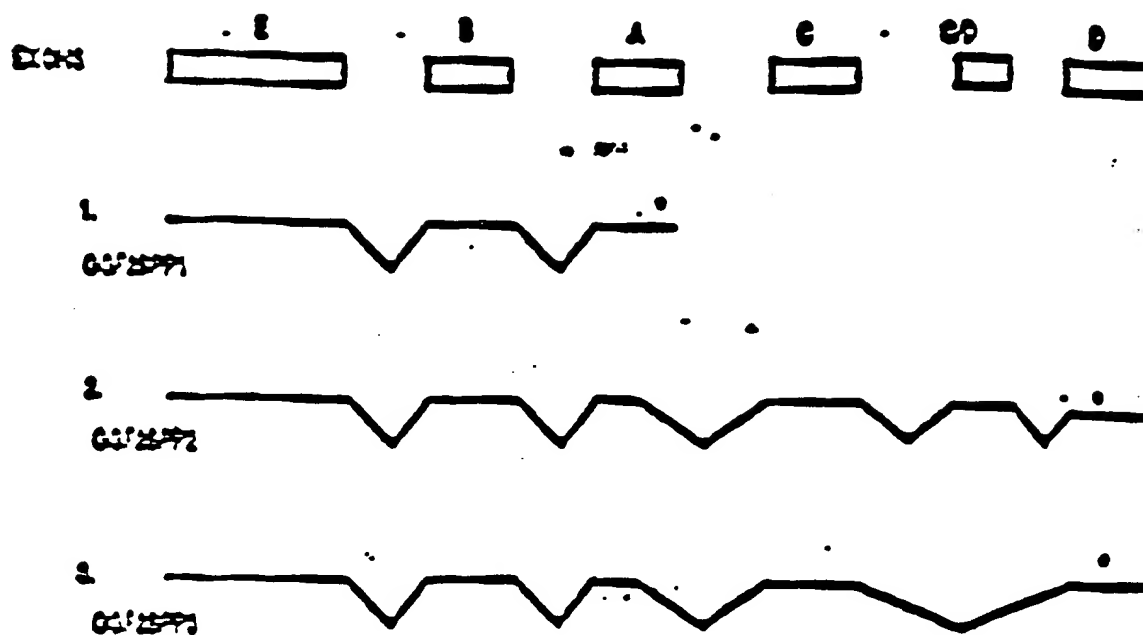
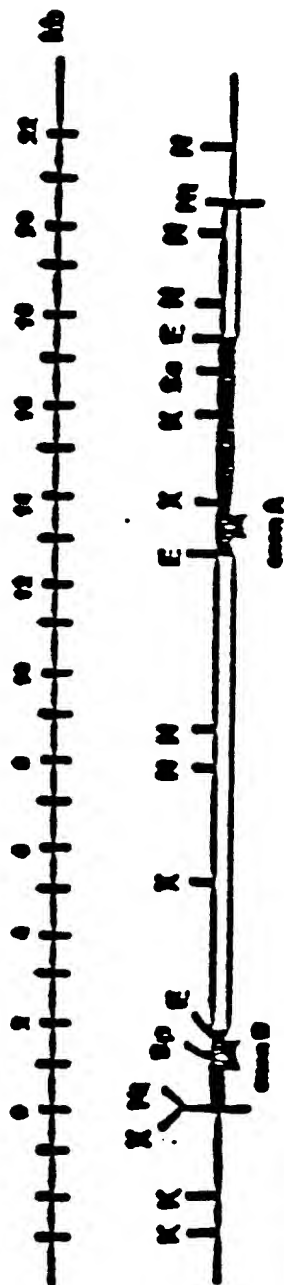


FIGURE 26

FIGURE 25



| Peptide | Pos. | Sequence Match | |
|---------|------|--|------------------------------------|
| 11-1 | 1: | VHGVWAAK HGVWAAK AAGLR | (SR ID NO: 120) |
| 11-10 | 14: | GLLTV GLLTV GLLTV RLGAR. | (SR ID NO: 121) |
| 11-03 | 21: | LLWPPAPFVTV LLWV LGLVHPFVTV RLGAR | (SR ID NO: 122) (SR ID NO: 123) |
| 11-02 | 41: | YITWPELVSSG YITWV YITWPELVSSG CPTL | (SR ID NO: 124) (SR ID NO: 125) |
| 11-6 | 103: | LVLR VAGX LVLR CPTL | (SR ID NO: 126) |
| 1-18 | 112: | LYKLVKHTVQATK CPTL GYSLKLVKHTVQATK SLDK | (SR ID NO: 127) (SR ID NO: 128) |
| 11-12 | 151: | KLADSGVTK ELV KLADSGVTK VTKL | (SR ID NO: 129) (SR ID NO: 130) |
| 1-07 | 152: | KLADIVYTK LVK KLADIVYTK VTKL | (SR ID NO: 131) (SR ID NO: 132) |

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(SIR ID 80: 134)

(S E D: 135)

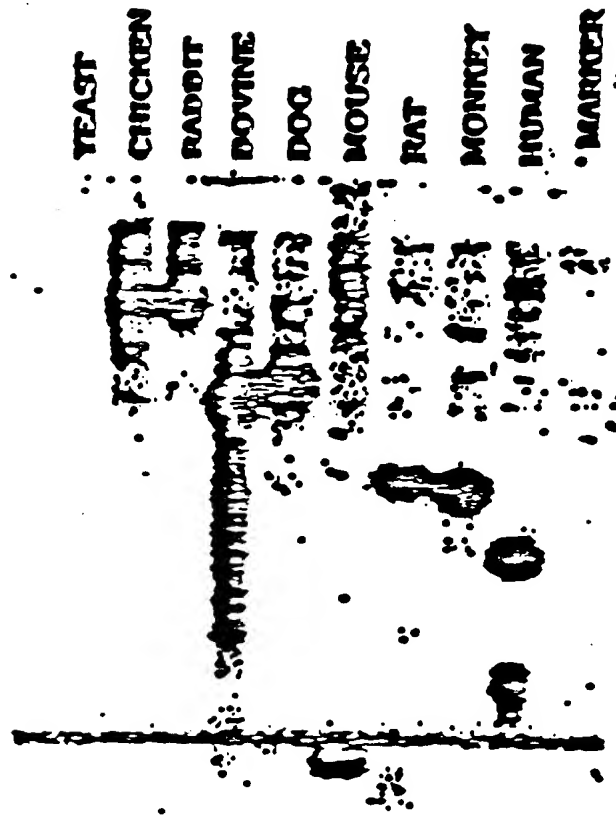
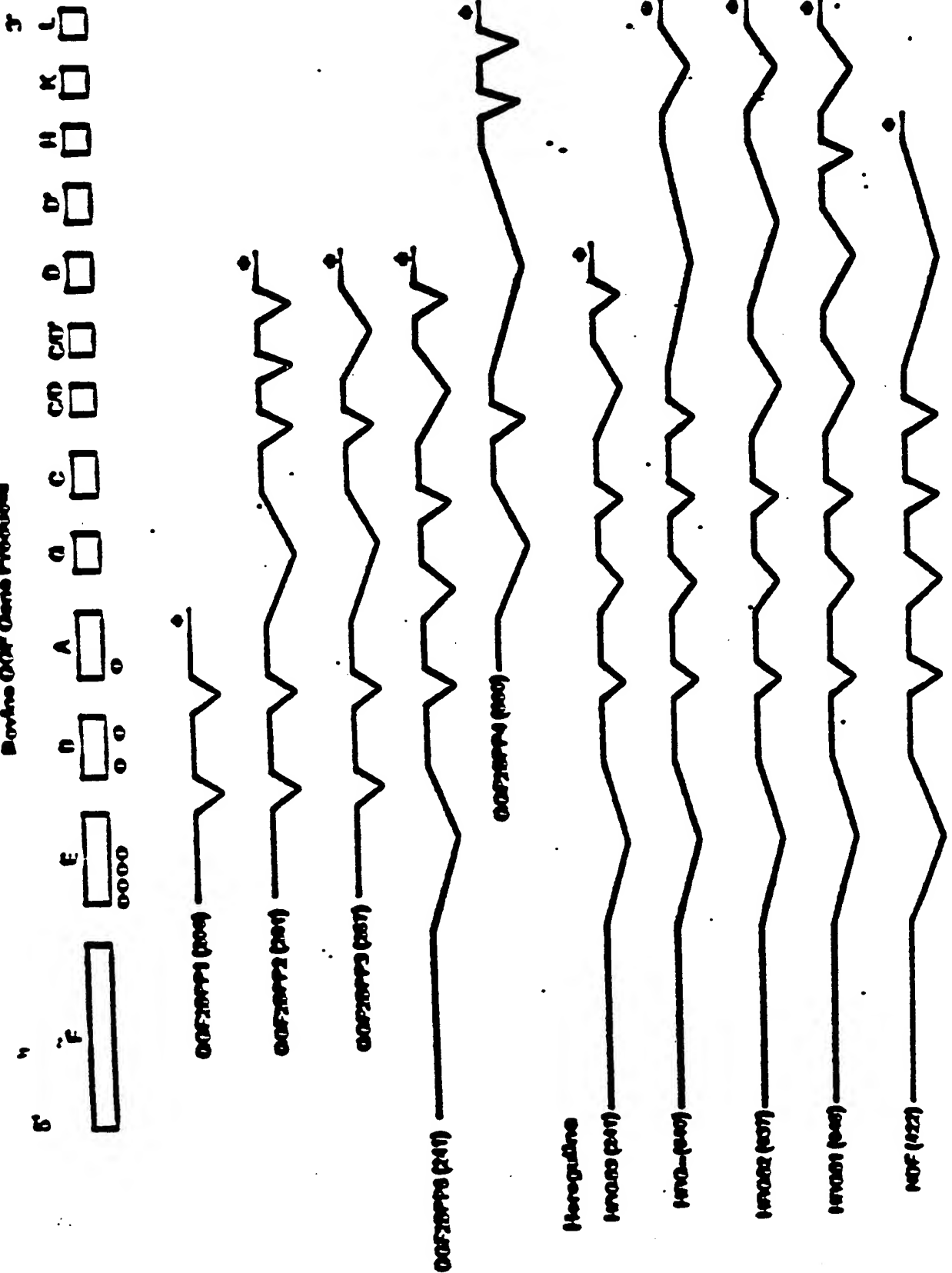


FIGURE 29

FIGURE 30

Bovine ODF Gene Products



COPIES DESTROYED 71 (SER D NO: 136)

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GOING SILENT 3: (SQ D D: 13)

[illegible]

GOING SECRET 1: (SR D D: 139)

K S Z L R I S X A S L A D S G Z Y N C X
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 V I S K L G N D S A S A N I - I V Z S N
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GOVING SECRET A: (SR D NO: 140)

| | |
|---|-----|
| TCTAAACTACAGACTGTATTTTATCATCATCATGTTCTCTCTAAATATCTTAACT | 60 |
| CGCTTTCTGCTCTCATCTTCTAGCAAGCTCAGAACTTCTCCATTACCAAGCTCTACTGCT | 120 |
| ATTCTGCCAGAAATATATGTCTCAAGCTATCAGCAAGCTACCAAGCTCAGACTGCTCTGCTCA | 180 |
| ACATCACCATTGTCTCACTCAAGCTTAAAGACATGCTCTACTGCTGCTATTCTCTCACTCTC | 240 |
| TTAAGAGAGATGATCAAGCTATCTCTCTCAGACTTCTAATCAGCTAGCTCTCTCTAATCTCAT | 300 |

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66

T O Z
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[illegible]

[illegible]

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GGT22PP1 nucleotide sequence and deduced protein sequence

GAACTCAGAACTTCCATTACGAAAGCTTCACTGCTCAATTCTGACGAAATATGTCGAA 60
 K S E L R I S K A S L A D S G E Y H C K
 ACTGATCAGGAACTACGAAATGACAGTGGCTGTGCGGAACTACGAACTTCTGAGTCAAA 120
 V I S K L G N D S A S A N I T I V E S H
 GCGGCAATGCAATGTACAGCTGCGGAAAGCGCAATTTCTCACTGTCAGACAAAGCAGAA 180
 A T S T S T A G T S H L V K C A E E E K
 AAGTTTCTGTCTCAATGCGGAGCTGCTTCACTGCTCAAACTTTCAATGCGCTCAAG 240
 T F C V N G G D C F K V K D L S H P S R
 ATACTTCTGAACTGCGAACTGCAATTCATCTGAGCGCAATGTATCTCAATGTCGCGAT 300
 Y L C K C Q P C F T G A R C T E H V P H
 GAACTGCAAACTGCAAACTGCGAAAGCTGCTTACGAAAGCAAGTCTTCAAGATTAAG 360
 K V Q T Q E K A E E L Y Q K R V L T I T
 GCGCAATTTCAATGCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 420
 C I C I A L L V V G I K C V V V Y C K T
 GAAAGCAAACTGCAAACTGCAAACTGCGAAAGCTGCTTACGAAAGCAAGTCTTCAAGATTAAG 480
 K K Q R K K L H D R L R Q S L R S E R H
 CAGCAATCAATGCTTACGAAAGCTGCGAAAGCTGCTTACGAAAGCAAGTCTTCAAGATTAAG 540
 T K K K V A N G P H H P H P P P E H V Q
 GCTGCTCAATCAATGCTTACGAAAGCTGCGAAAGCTGCTTACGAAAGCAAGTCTTCAAGATTAAG 600
 L V N Q Y V S K N V I S S E H I V E R E
 GCGGCAAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 660
 A E S S F S T S H Y T S T A H E S T T V
 CATCTCAAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 720
 T Q T P S H S H S H G H T E S I I S E S
 GCACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 780
 H S V I V N S S V E H S R H S S P T G G
 GCGGCAAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 840
 P R Q R L H G L G G P R E C H S P L R H
 TCGGCAAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 900
 A R E T P D S T R D S P H S E R H H L I
 AAGTCAAGCTTACGAAAGCTGCGAAAGCTGCTTACGAAAGCAAGTCTTCAAGATTAAG 960
 A E L R R H K A H R S K C K Q I Q L S A
 AAGTCAATGCTTACGAAAGCTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1020
 T K L R A S S I P H N A S F S E T P W P
 TTCAAGCAAGCTATGCTATCAGCAATGACCAAGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 1080
 L C R Y V S A H T T P A R K S P V D F H
 CAGCGGCAAGCTGCGGCAAGCTGCGGCAAGCTGCGGCAAGCTGCGGCAAGCTGCGGCAAGCTGCGG 1140
 T P S S F F S F P S E H S P P T S S T T

3200
 3260
 3320
 3380
 3440
 3500
 3560
 3620
 3680
 3740
 3764

FIGURE 33

GGF2MMEKCAEKEKTFQVNGGEOFMVNDLSNPSRYLCKCPNEFTGDRCOXVWASFY¹
GGF2MMEKCAEKEKTFQVNGGDOFMVNDLSNPSRYLCKCOPGFTGARCTENYPHMYG²
EEGE EOLFKYKDFOH - GECKYKELFAPS — CKCOOEYFGEROGEKSXKTHS³

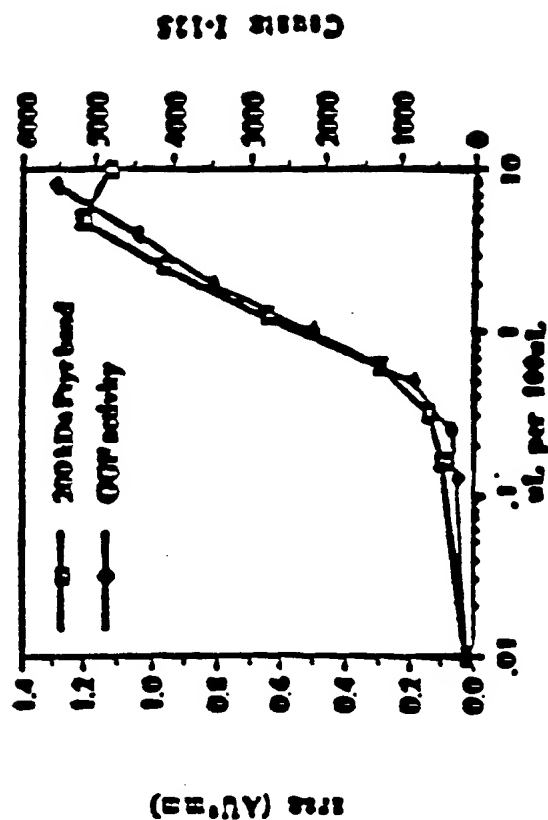
¹(SEQ ID NO: 151)

²(SEQ ID NO: 152)

³(SEQ ID NO: 153)

FIGURE 36

200 kDa tyrosine phosphorylation compared with mitogenic activity



3-3-2'

[illegible]

7-2-1-C-C-C/D-D
 7-2-1-C-C-C/D-H
 7-2-1-C-C-C/D-H-L
 7-2-1-C-C-C/D-H-X-L
 7-2-1-C-C-C/D-D'-H
 7-2-1-C-C-C/D-D'-H-L
 7-2-1-C-C-C/D-D'-H-X-L
 7-2-1-C-C-C/D'-D
 7-2-1-C-C-C/D'-H
 7-2-1-C-C-C/D'-H-L
 7-2-1-C-C-C/D'-H-X-L
 7-2-1-C-C-C/D'-D'-H
 7-2-1-C-C-C/D'-D'-H-L
 7-2-1-C-C-C/D'-D'-H-X-L
 7-2-1-C-C-C/D-C/D'-D
 7-2-1-C-C-C/D-C/D'-H
 7-2-1-C-C-C/D-C/D'-H-L
 7-2-1-C-C-C/D-C/D'-H-X-L
 7-2-1-C-C-C/D-C/D'-D'-H
 7-2-1-C-C-C/D-C/D'-D'-H-L
 7-2-1-C-C-C/D-C/D'-D'-H-X-L

8-8-54'

7-2-3-1-c-c/D-D
 7-2-3-1-c-c/D-H
 7-2-3-1-c-c/D-H-L
 7-2-3-1-c-c/D-H-X-L
 7-2-3-1-c-c/D-D'-H
 7-2-3-1-c-c/D-D'-H-L
 7-2-3-1-c-c/D-D'-H-X-L
 7-2-3-1-c-c/D'-D
 7-2-3-1-c-c/D'-H
 7-2-3-1-c-c/D'-H-L
 7-2-3-1-c-c/D'-H-X-L
 7-2-3-1-c-c/D'-D'-H
 7-2-3-1-c-c/D'-D'-H-L
 7-2-3-1-c-c/D'-D'-H-X-L
 7-2-3-1-c-c/D-c/D'-D
 7-2-3-1-c-c/D-c/D'-H
 7-2-3-1-c-c/D-c/D'-H-L
 7-2-3-1-c-c/D-c/D'-H-X-L
 7-2-3-1-c-c/D-c/D'-D'-H
 7-2-3-1-c-c/D-c/D'-D'-H-L
 7-2-3-1-c-c/D-c/D'-D'-H-X-L

[illegible]

8-3-21'

X-1-1-C-C/D-D
 X-1-1-C-C/D-X
 X-1-1-C-C/D-X-L
 X-1-1-C-C/D-X-X-L
 X-1-1-C-C/D-D'-X
 X-1-1-C-C/D-D'-X-L
 X-1-1-C-C/D-D'-X-X-L
 X-1-1-C-C/D'-D
 X-1-1-C-C/D'-X
 X-1-1-C-C/D'-X-L
 X-1-1-C-C/D'-X-X-L
 X-1-1-C-C/D'-D'-X
 X-1-1-C-C/D'-D'-X-L
 X-1-1-C-C/D'-D'-X-X-L
 X-1-1-C-C/D-C/D'-D
 X-1-1-C-C/D-C/D'-X
 X-1-1-C-C/D-C/D'-X-L
 X-1-1-C-C/D-C/D'-X-X-L
 X-1-1-C-C/D-C/D'-D'-X
 X-1-1-C-C/D-C/D'-D'-X-L
 X-1-1-C-C/D-C/D'-D'-X-X-L

Z-1-1-C-C-C/D-D
 X-1-1-C-C-C/D-X
 Z-1-1-C-C-C/D-X-L
 Z-1-1-C-C-C/D-X-X-L
 Z-2-1-C-C-C/D-D'-X
 Z-2-1-C-C-C/D-D'-X-L
 Z-2-1-C-C-C/D-D'-X-X-L
 Z-2-1-C-C-C/D'-D
 Z-2-1-C-C-C/D'-X
 Z-2-1-C-C-C/D'-X-L
 Z-2-1-C-C-C/D'-X-X-L
 Z-2-1-C-C-C/D'-D'-X
 Z-2-1-C-C-C/D'-D'-X-L
 Z-2-1-C-C-C/D'-D'-X-X-L
 Z-2-1-C-C-C/D-C/D'-D
 Z-2-1-C-C-C/D-C/D'-X
 Z-2-1-C-C-C/D-C/D'-X-L
 Z-2-1-C-C-C/D-C/D'-X-X-L
 Z-2-1-C-C-C/D-C/D'-D'-X
 Z-2-1-C-C-C/D-C/D'-D'-X-L
 Z-2-1-C-C-C/D-C/D'-D'-X-X-L

ACCCATCTTCTCAAGTCTGCACACACACAACTTTCTCTCTCAATCCAGCCGAGTCC
 S H L V X C A E X E X T F C V N G G E C
 TTCAATCTGAAACACCTTTCAATCCCTCAACATACTTCTCAATGCCCAATCACTTT
 F K V X D L S N P S R Y L F X C P N E F
 ACTCTCATCTCTCCCAAACTACCTAATGCCCACTTCTACAGTACCTCCACTCCCTTT
 T G D R C Q N Y V X A S F Y S T S T P F
 CTCTCTCTCTCTCAATAG
 L S L P E •

(SEQ ID NO: 154)

FIGURE 38

ACCCATCTTCTCACTCTCTCAGACGAAAGCAGAAAATTCTCTCTCTCAATCGAGCCCTAGTCC
 S H L V X C A E X E X T F C V X G G E C
 TTCACTCTCAAGACCTTTCAATCTCTCAAGATACTTCTCACTCTCACTCTCACTCTCACTCT
 F X V X D L S X P S R Y L C X C Q P Q ?
 ACTCCAGCCAGCATCTACTCTAGCAATCTCTCTCAATCTCTCAATCTCTCAATCTCTCAATCTCT
 T C A R C T E X V P X X V Q T Q E X A E
 CAGCTCTACTAA
 E L Y O

(SER ID NO: 133)

FIGURE 39

A C C A T C T T C T C A C T C T C A C A C A C C A C A A A C T T T C T C T C T C A A T C A C C C C A C T C C
 S H L V K C A Z X Z X T F C V X G G Z C
 T T C A T C C T C A A C A C C T T T C A A T C C C T C A C A T A C T T C T C A C T C C C A A T C A C T T T
 F H V X D L S H P S R Y L C X C P H Z F
 A C T C C T C A T C C C T C C A A A C T A C C T A A T C C C A C C T T C T A C A A C C C A C C A C C T T A C
 T C D R C Q H Y V X A S F Y X A Z Z L Y
 T A A
 .

(SIR ID BO: 156)

FIGURE 40

[illegible]

(SEE ID NO: 157)

41 112

A G C C A T C T T C T C A A C T C T C A C A C A C C A C A A A C T T T C T C T C T A A T C C A C C C A C T C C
 S H L V X C A Z X Z X T T C V H C C Z C
 T T C A T C C T C A A G A C C T T T C A A T C C C T C A G A T A C T T C T C A A C T C C A C C T C A T T C
 P H V K D L S H P S R Y L C K C Q P C P
 A C T C C A C C C A C A T C T A C T C A C A A T C T C C C A T C A A C T C C A A C C C A C A A A C T C C C A
 T C A R C T Z H V P H K V Q T Q Z X C P
 A A T C A C T T T A C T C C T C A T C C C T C C A A A C T A C C T A A T C C C A C C T T C T A C A C T A C C T C C
 H Z P T C D R C Q H Y V H A S P Y S T S
 A C T C C C T T T C T C T C T C C C T C A A T A C
 T P P L S L P Z

(S12 ID NO: 158)

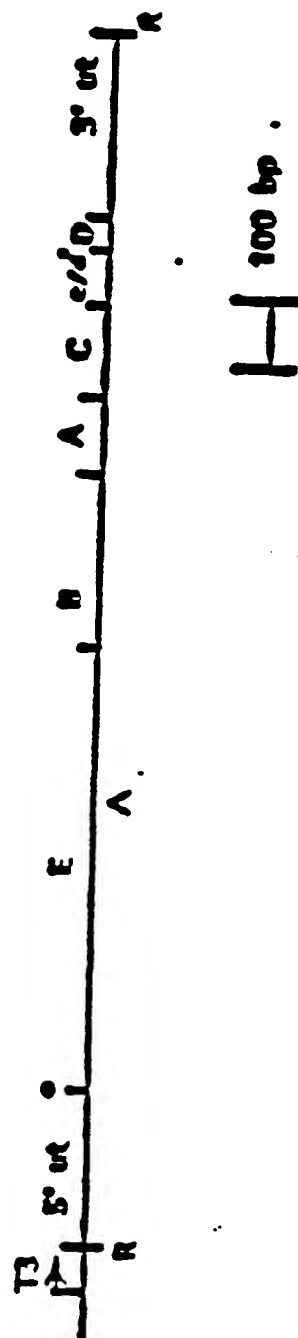
FIGURE 42

A C C A T T T T C A A T T T C A C A C A A C C A C A A A A T T T T T T T T C A A T C A C C C A C T C C
 S H L V K C A E K E K T T C V H C C E C
 T T C A T C C T A A C A C C T T T C A A T C C C T C A A T A C T T T T C A A T C C C A C C T C A T T C
 T H V K D L S H P S R Y L C K C C P C P
 A C T C A C C C A C A T C T A C T C A C A A T C T C C C A T C A A T C C A A C C C A C A A C T C C C A
 T C A A R C T E H V P H K V Q T Q E K C P
 A A T C A C T T T A C C C T C A T C C C T C C A A A C T A C C T A A T C C C A C C T T T C A A A C C C A C
 K E T T C C D R C C H Y V H A S P Y K A E
 C A C C T C T A C T A A
 E L Y

(SEQ ID NO: 159)

FIGURE 43

GGF2HBS5



Nucleotide sequence and deduced amino acid sequence of GCF2138

61
 121
 181
 241
 301
 361
 421
 481
 541
 601
 661
 721

M A V E E A P E E S C E
 P C P E A C A P C S A A E S S P L P L
 L P L L L L L C T A A L A P C A A A C M
 V C L L L T V A A L P P T
 GCF21-3
 E A A P A C A S V C Y S S P P S V C S V
 A S P V S V C S V
 GCF21-4
 C S L A C E A A V V I E C E V E P C A A
 C S L V C E V P V V I E C E
 GCF21-4
 C C C A L D E E A A A A C E A C A N C
 C D E E P P A A C P A A L C S P A E E P
 L L A A N C T V P S E S T A P V P S A C

(SEQ ID NO: 167)

FIGURE 45 (1 of 3)

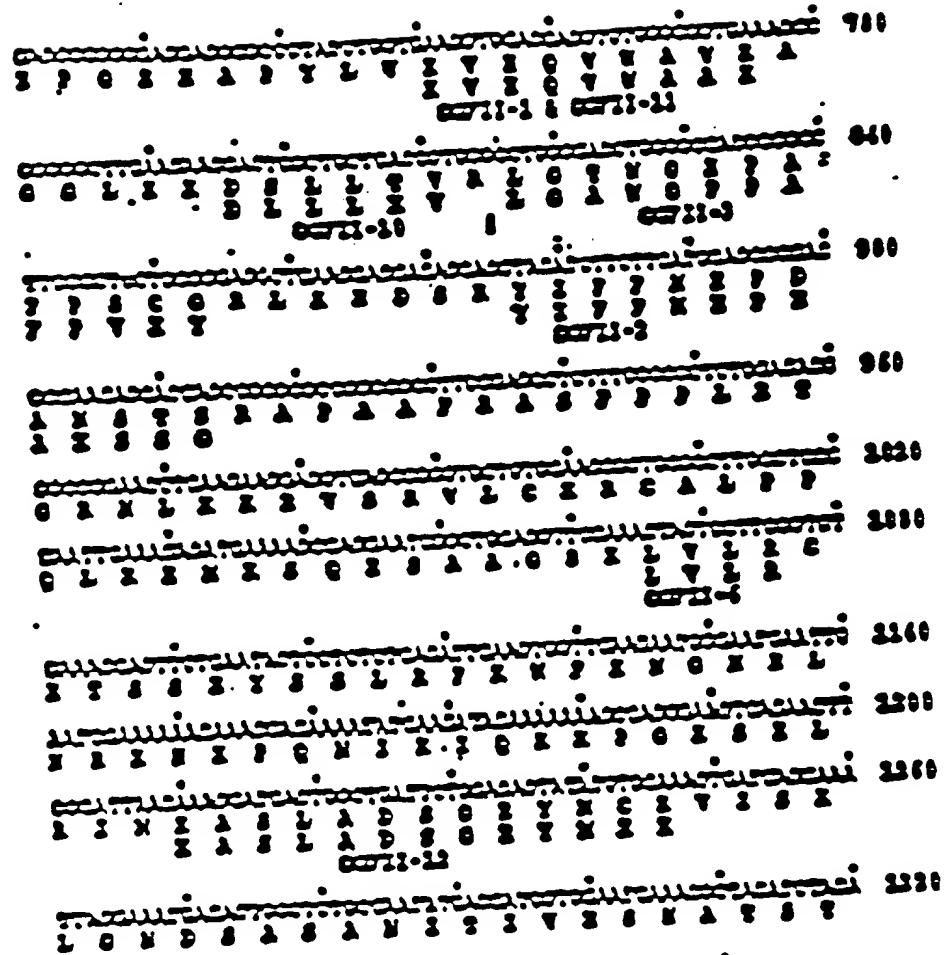


FIGURE 45 (2 of 3)

| | | |
|---|------|---|
| ..... | 2380 | • |
| S T T O T S E L V E C A S S S S T T C V | | • |
| ..... | 2440 | • |
| X O O E C P M V X D L S M S S S S L C E | | • |
| ..... | 2500 | • |
| C P M S S T O D E C C S T V X A S T S | | • |
| ..... | 2560 | • |
| T S T T T L S L S S | | • |
| ..... | 2620 | • |
| ..... | 2680 | • |
| ..... | 2740 | • |
| ..... | 2800 | • |
| ..... | 2860 | • |
| ..... | 2920 | • |
| ..... | 2980 | • |
| ..... | 3040 | • |

FIGURE 45 (3 of 3)

SCHWANN CELL PROLIFERATION ASSAY

FIGURE 46

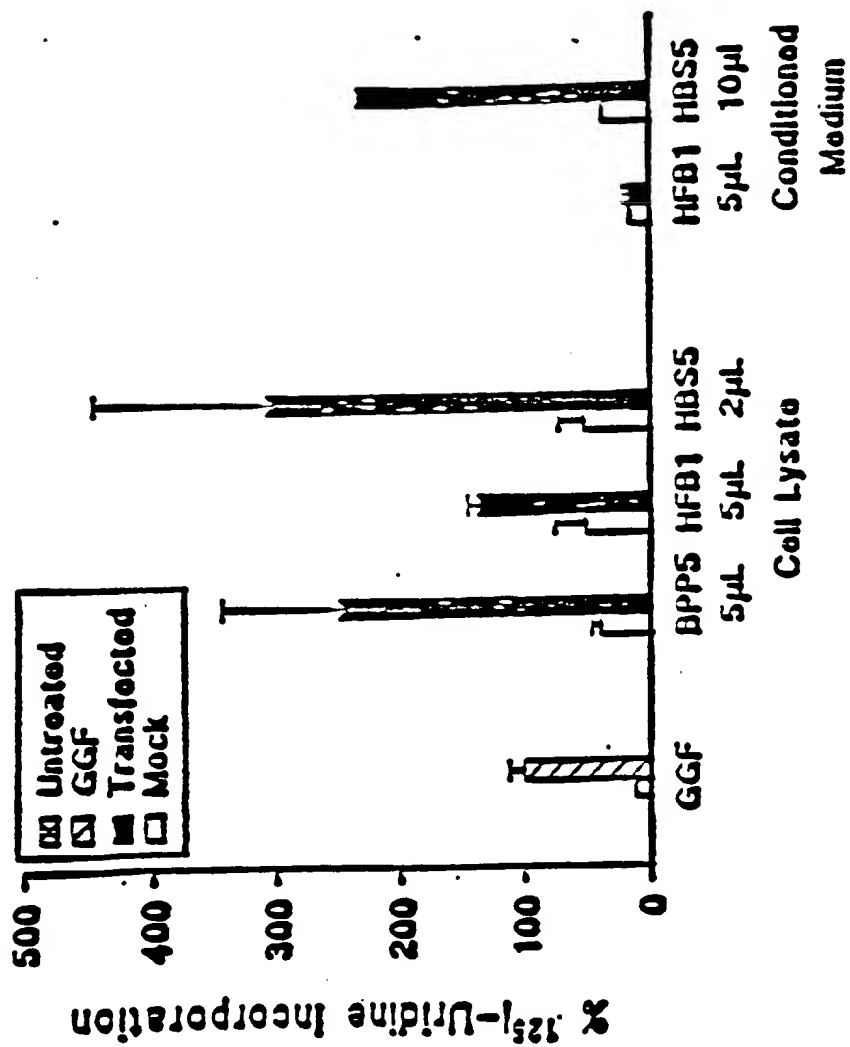


FIGURE 47

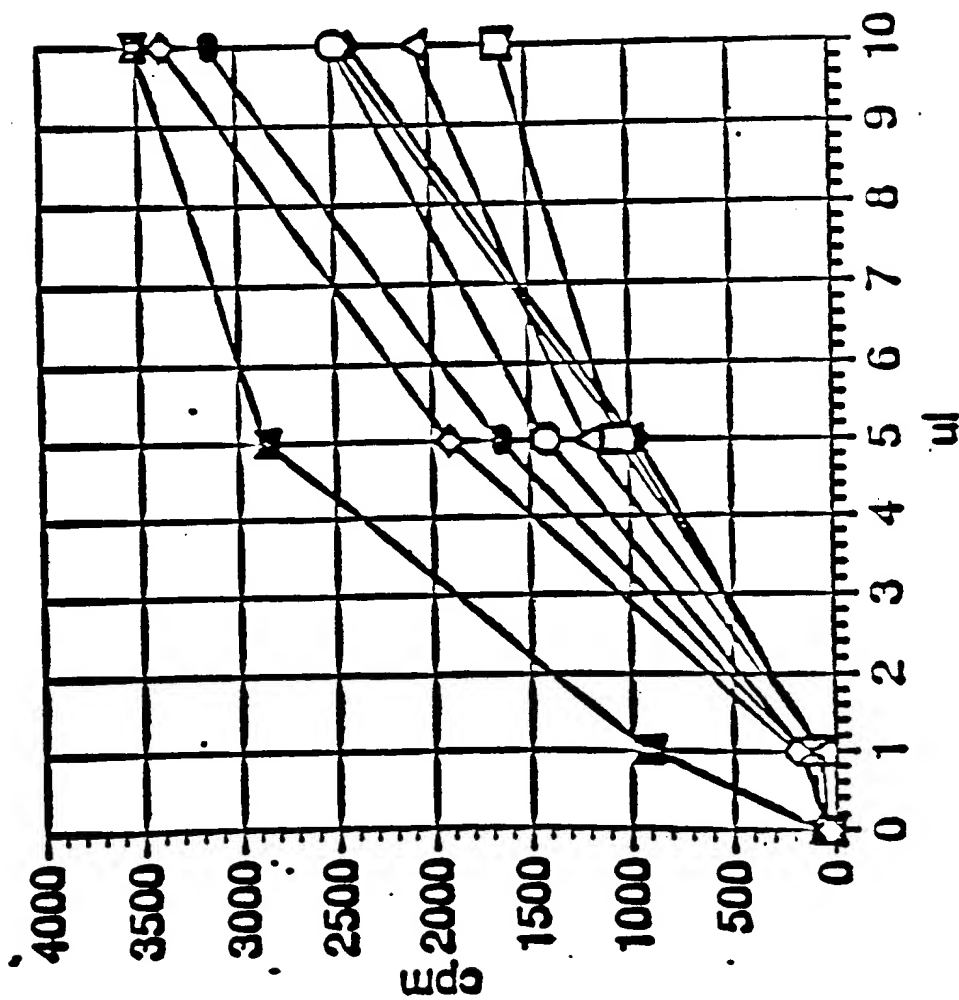
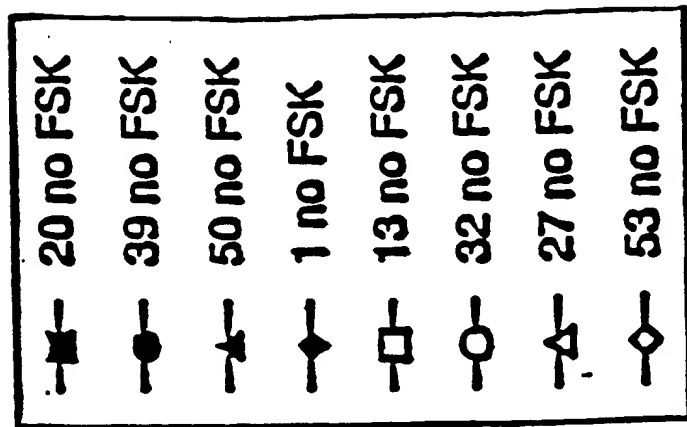
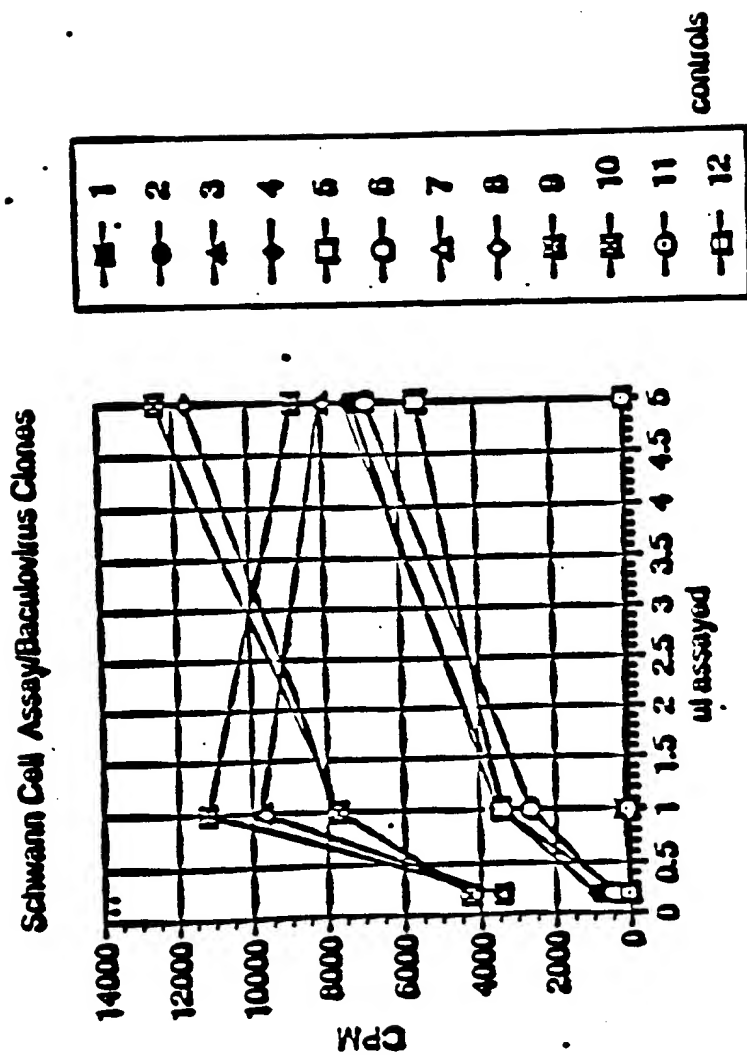
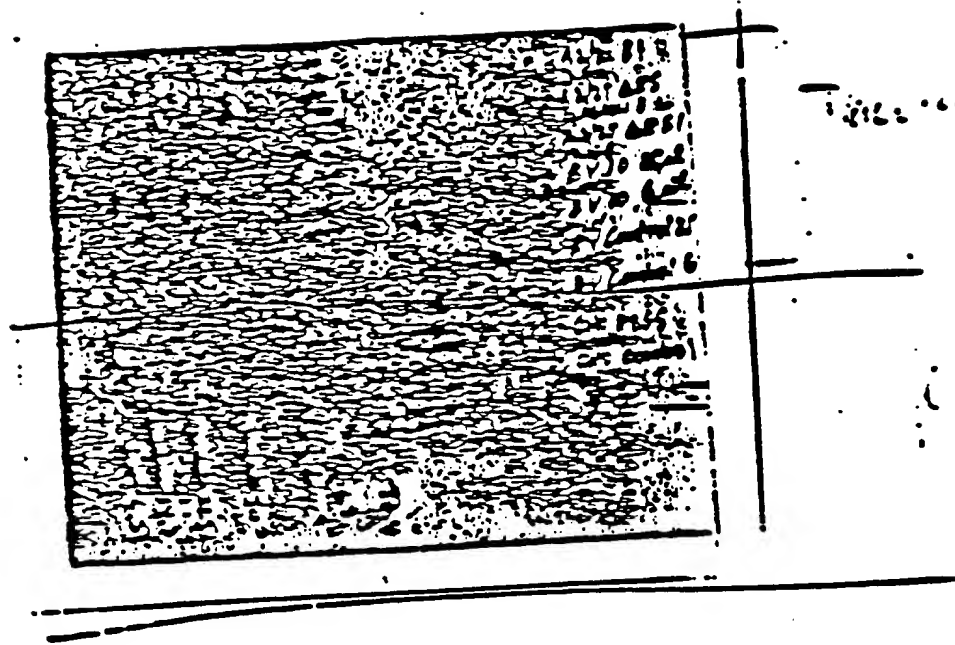


FIGURE 4B



08/734592

FIGURE 49



08/734592

CPM 10-125: Descriptive Information

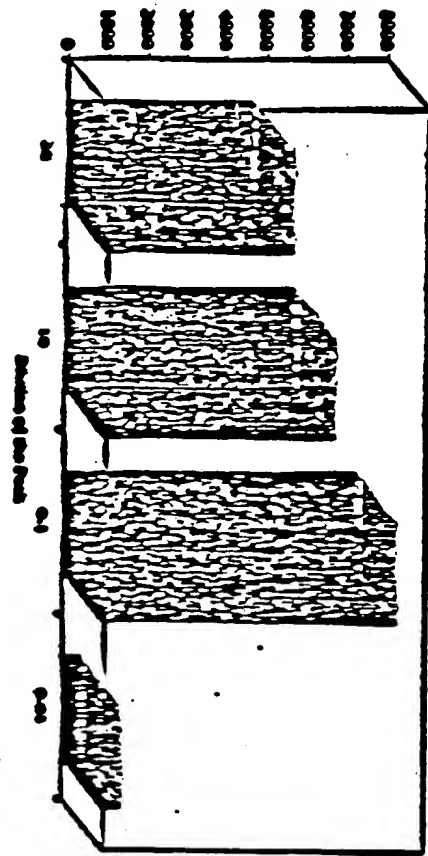


FIGURE 50A

08/734592

FIGURE 503

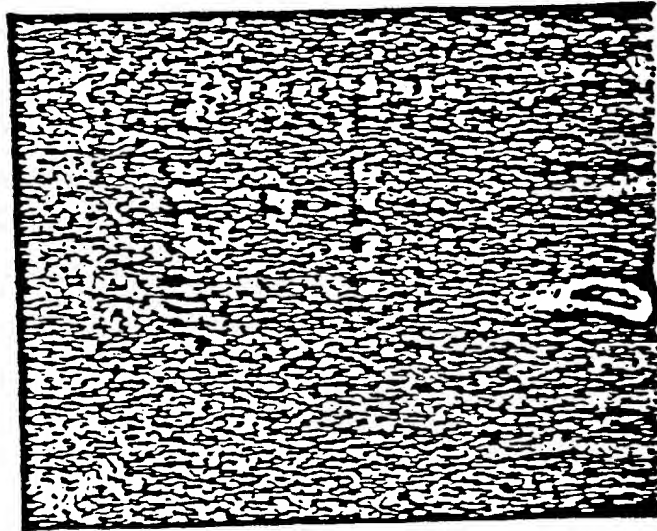


FIGURE 51

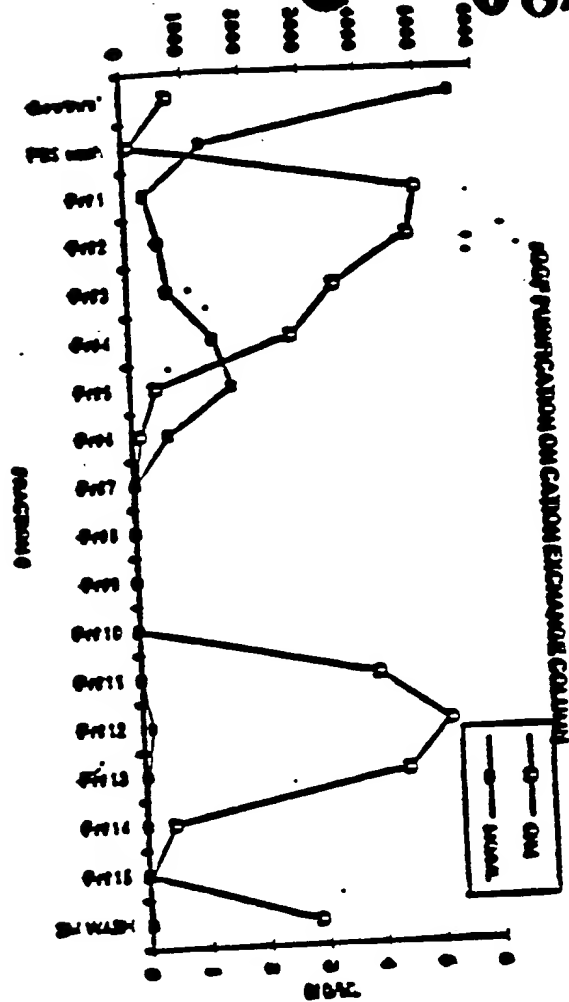


FIGURE 52.

